

Sub
Di
C²
-4-(Twice amended)

A vaccine for active immunization of an equid against a *Sarcocystis neurona* infection comprising a recombinant polypeptide consisting essentially of at least one epitope of a 16 (± 4) kDa *Sarcocystis neurona* antigen and at least one epitope of a 30 (± 4) kDa *Sarcocystis neurona* antigen.

C³
-23-(Twice amended)

A method for producing a fusion polypeptide *in vitro* comprising:

(a) providing a microorganism in a culture containing a DNA encoding the fusion polypeptide consisting essentially of at least one epitope of a 16 (± 4) kDa *Sarcocystis neurona* antigen and at least one epitope of a 30 (± 4) kDa *Sarcocystis neurona* antigen linked to a polypeptide that facilitates isolation of the fusion polypeptide;

(b) culturing the microorganism in a culture to produce the fusion polypeptide; and

(c) isolating the fusion polypeptide from the *in vitro* culture.